

5-17-04 1616/41

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Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

## Complete if Known

Application Number 10/040,010  
Filing Date January 4, 2002  
First Named Inventor Thomas M. Mills et al.  
Examiner Name Shaojia A. Jiang  
Art Unit 1617  
Attorney Docket No. M0351/267875

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JUN 01 2004

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 16-1435

Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	-20 **	= 0	X	= 0
Independent Claims	-3 **	= 0	X	= 0
Multiple Dependent			X	= 0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
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1451	1,510	1451	1,510	Petition to institute a public use proceeding	
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1501	1,300	2501	650	Utility issue fee (or reissue)	
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1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
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1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 180

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Cynthia B. Rothschild	Registration No. (Attorney/Agent)	47,040	Telephone	(336) 607-7300
Signature				Date	May 14, 2004

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## EXPRESS MAIL CERTIFICATE

"Express Mail" Label No. : EV 367 775 805 US

Serial No. : 10/040,010

Applicant(s) : Thomas M. Mills et al.

Filing Date : January 4, 2002

Title: : Treatment of Erectile Dysfunction

Examiner : 1617

Group Art Unit : Shaojia A. Jiang

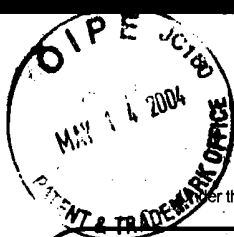
Type of Document(s) : Express Mail Certificate (EV 367 775 805 US);  
Transmittal Form PTO/SB/21;  
Fee Transmittal Form PTO/SB/17;  
Check # 361386 in the amount of \$180;  
Information Disclosure Statement (in duplicate);  
PTO/SB/08a;  
References; and  
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Kay Farmer (signature)  
Kay Farmer

Date Mailed: May 14, 2004



Express Mail EV 367 775 805 US

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/040,010	
	Filing Date	January 4, 2002	
	First Named Inventor	Thomas M. Mills et al.	
	Art Unit	1617	
	Examiner Name	Shaojia A. Jiang	
Total Number of Pages in This Submission		Attorney Docket Number	M0351/267875

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form  <input checked="" type="checkbox"/> Fee Attached - Check #361386 in the amount of \$180  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>Express Mail Certificate</b> <b>(EV 367 775 805 US)</b> <b>PTO/SB/08a</b> <b>References</b> <b>Return postcard</b>		
<table border="1"><tr><td>Remarks</td><td></td></tr></table>			Remarks	
Remarks				

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Cynthia B. Rothschild Reg. No. 47040
Signature	
Date	May 14, 2004

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Sent via express mail		
Signature		Date	

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Examiner Name Shaojia A. Jiang  
Art Unit 1617  
Attorney Docket No. M0351/267875

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☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account:

Deposit Account Number 16-1435

Deposit Account Name

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Independent Claims  -3 \*\* =  0 X  =  0  
Multiple Dependent X  =  0

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## FEE CALCULATION (Continued)

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1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 180

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type) Cynthia B. Rothschild Registration No. (Attorney/Agent) 47,040 Telephone (336) 607-7300  
Signature *Cynthia B. Rothschild* Date May 14, 2004

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EV 367 775 805 US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Thomas M. Mills et al.  
Serial No : 10/040,010  
Filed : January 4, 2002  
For : Treatment of Erectile Dysfunction  
Examiner : Shaojia A. Jiang  
Art Unit : 1617

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached Form PTO/SB/08A. A copy of the references listed on the attached form is submitted herewith.

It is respectfully requested that the references listed on the attached form be expressly considered by the Examiner and be made of record in the application and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is being submitted after the mailing of a first Office Action in this application. A check in the amount of \$180 is enclosed for the fees due. However, the Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. § 1.16 or § 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 16-1435. A duplicate of this sheet is attached for that purpose.

Respectfully submitted,

Cynthia B. Rothschild  
Reg. No. 47,040

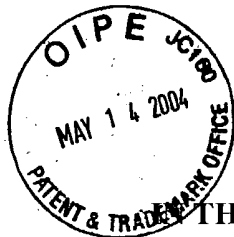
Date: May 14, 2004

KILPATRICK STOCKTON LLP  
1001 West Fourth Street  
Winston-Salem, North Carolina 27101-2400  
(336) 747-7541 (Phone)  
(336) 734-2610 (Facsimile)

18/2004 MBERHE 00000039 10040010

FC:1806

180.00 0P



EV 367 775 805 US

PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

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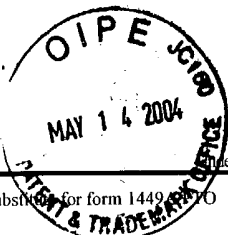
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Cynthia B. Rothschild  
Reg. No. 47,040

Date: May 14, 2004

KILPATRICK STOCKTON LLP  
1001 West Fourth Street  
Winston-Salem, North Carolina 27101-2400  
(336) 747-7541 (Phone)  
(336) 734-2610 (Facsimile)



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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449, 10/01/00

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/040,010
Filing Date	January 4, 2002
First Named Inventor	Thomas M. Mills et al.
Art Unit	1617
Examiner Name	Shaojia A. Jiang
Attorney Docket Number	M0351/267875

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

**NON PATENT LITERATURE DOCUMENTS**

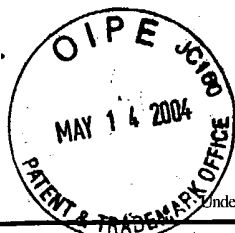
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	1	MILLS, T. M., et al., "Nitric oxide inhibits RhoA/Rho-kinase signaling to cause penile erection," <i>Eur J Pharmacol</i> 439: 173-174, 2002
	2	MILLS, T. M., et al., "Inhibition of Tonic Contraction - a Novel Way to Approach Erectile Dysfunction?" <i>J Androl</i> , 23, S5-S9, 2002
	3	MILLS, T. M., et al., "The role of Androgens in the Erectile Response: a 1999 Perspective," <i>Mol Urol</i> , 3, 75-86, 1999

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/040,010
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**RECEIVED**  
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TECH CENTER 1600/2900**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	4	MILLS, T. M., et al., "Endothelin-1-induced Vasoconstriction is Inhibited During Erection in Rats," <i>Am J Physiol Regul Integr Comp Physiol</i> 281, R476-R483, 2001	
	5	MILLS, T.M., et al., "Androgens and Penile Erection: A Review," <i>J Androl</i> 17, 633-638, 1996	
	6	MILLS, T. M., et al., "Sites of Androgenic Regulation of Cavernosal Blood Pressure During Penile Erection in the Rat," <i>Int J Impot Res</i> 8, 29-34, 1996	
	7	MILLS, T. M., et al., "Erection Modulates the Endothelin-1 Effect on the Rat Penis" (Abstract) <i>Int J Impot Res</i> 12, Suppl 2, S22, 2000	
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